

**AMENDMENTS TO THE SPECIFICATION**

Page 1, after the title insert the following:

This application is the US national phase of international application **PCT/EP2004/000724** filed **28 January 2004** which designated the U.S. and claims benefit of **IT MO2003A000019**, dated **28 January 2003**, the entire contents of each of which are hereby incorporated by reference.

Please amend the paragraph beginning at page 1 line 1, as follows:

The invention relates to an apparatus and a method of electro-stimulation and a data support that can be read by a processing means~~device~~. On the data support data are recorded that are required for the operation of the apparatus and the actuation of the method.

Please amend the paragraph beginning at page 4 line 8, as follows:

In a first aspect of the invention, there is provided an electro-stimulation apparatus, comprising an electric-pulse generating ~~means~~device arranged to generate pulses having preset values of typical parameters, an applying ~~means~~arrangement arranged to apply a sequence of said pulses to an organism, said sequence comprising an initial pulse and a final pulse, ~~characterised in that,~~wherein it further comprises a variation ~~means~~arrangement arranged to perform a substantial variation of at least one typical parameter at a moment comprised between said initial pulse and said final pulse.

Please amend the paragraph beginning at page 4 line 18, as follows:

In a second aspect of the invention, there is provided a method of electro-stimulating an organism, comprising generating a sequence of electric pulses having preset values of typical parameters, said sequence comprising an initial pulse and a final pulse, and applying said sequence to said organism, ~~characterised in that,~~wherein said generating comprises considerably varying at least one typical parameter at a moment comprised between said initial pulse and said final pulse.

Please amend the paragraph beginning at page 4 line 27, as follows:

In a third aspect of the invention, there is provided a support readable by a data processing ~~means~~device, containing a plurality of data with preset values of typical parameters, said data being intended to originate a sequence of electric pulses to be applied to an organism by means of electro-stimulation techniques, said sequence comprising an initial pulse and a final pulse, ~~characterised in that,~~wherein a substantial variation of at least one typical parameter is provided in said sequence at a moment comprised between said initial pulse and said final pulse.

Please amend the paragraph beginning at page 6 line 26, as follows:

The apparatus further comprises an applying ~~means~~arrangement for applying the electric pulses to an organism, for example a human or a laboratory animal. The

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**U.S. National Phase of PCT/EP2004/000724**

applying ~~means—arrangement~~ may comprise electrodes provided with a highly conductive surface that are positioned directly on the skin of the patient to transcutaneously transmit the pulses.

Please amend the paragraph beginning at page 7 line 11, as follows:

A variation ~~means—arrangement~~ is furthermore provided arranged to vary the typical parameters of the applied pulses, namely the frequency and/or the width and/or the intensity.